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(19) **United States**(12) **Patent Application Publication**  
**OTSUKA et al.**(10) **Pub. No.: US 2021/0292699 A1**(43) **Pub. Date: Sep. 23, 2021**(54) **DEVICE FOR DIVIDING CELL MASS, AND  
METHOD FOR DIVIDING CELL MASS  
USING SAME****Publication Classification**(51) **Int. Cl.****C12M 1/26** (2006.01)**C12M 1/33** (2006.01)(52) **U.S. Cl.**CPC ..... **C12M 33/14** (2013.01); **C12N 5/0606**  
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**ABSTRACT**(21) Appl. No.: **17/266,464**(22) PCT Filed: **Aug. 6, 2019**(86) PCT No.: **PCT/JP2019/030940**

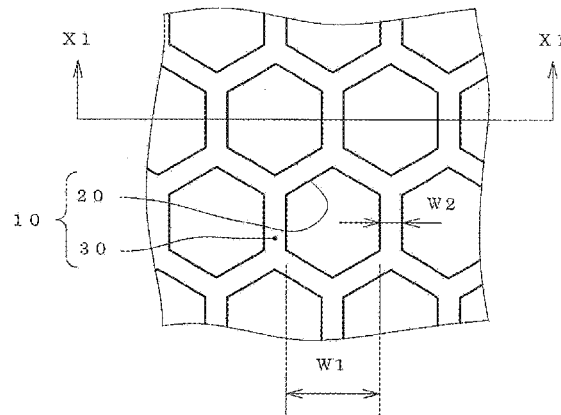
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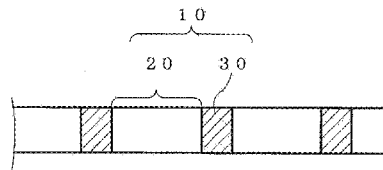
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The device has a film-shaped main body part **1**, and predetermined region in the film surface of the main body part has a mesh structure in which a large number of through-holes **20** are arranged. The through-hole has an opening shape having a size allowing smaller cell aggregates to pass through, and the rest of the through-hole is the beam part **30**. The beam part is a part that cuts a cell aggregate to be divided, and is integrally connected to form a network. The cell aggregate can be divided by passing the cell aggregate to be divided through the mesh structure of the device together with the liquid.

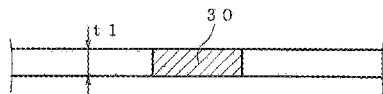
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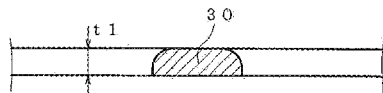
(b)



(c)



(d)



(e)

